

Fig.1.

	11	21	31	41	51
Rs-AFP1	QKLCERPSGT WSGVCGNNNA	CKNQNCINLEK	ARHGSCNYVF	PAHKCICYFP	C
Rs-AFP2	QKLCQRPSGT WSGVCGNNNA	CKNQCIRLEK	ARHGSCNYVF	PAHKCICYFP	C
Rs-AFP3	-KLCERSSGT WSGVCGNNNA	CKNQCIRLEG	AQHGSCNYVF	PAHKCICYFP	C
Rs-AFP4	QKLCERSSGT WSGVCGNNNA	CKNQNCINLEK	ARHGSCNYIF	PYHRCICYFP	C
Br-AFP1	QKLCERPSGT WSGVCGNNNA	CKNQNCIN			
Br-AFP2	QKLCERPSGT ?SGVCGNNNA	CKNQCIR			
Bn-AFP1	QKLCERPSGT WSGVCGNNNA	CKNQNCINLEK			
Bn-AFP2	QKLCERPSGT WSGVCGNNNA	CKN			
Sa-AFP1	QKLCERPSGT WSGVCGNNNA	CKNQC			
Sa-AFP2	QKLCQRPSGT WSGVCGNNNA	CRNQCI			
At-AFP1	QKLCERPSGT WSGVCGNSNA	CKNQNCIN			

Fig.2. GTTTATTAGTATCAIGGCTAAGTTTGGTGCCATCATGCACATT 45
M A K F A S I I A L

CTTTTGCCTCTTGTTCITTTTGTGCTGCTTTTCGAAGCACCAACA 90
L F A A L V L F A A F E A E T

ATGGTGGAAAGCACAGAAAGTTGTGCGAAAGGCCAAGTGGGACATGG 135
M V E A Q K K L C E R P S G T W

TCAGGAGTCTGTGGAAACAATAACGCAATGCAAGAATCAGTGCAATT 180
S G V C G N N N A C K N Q C I

AACCTTGAGAAAGCACGACATGGATCTTGGCAACTATGTCTTCCCA 225
N L E K A R H G S C N Y V F P

GCTCACAAGTGTAICTGCTACTTTCCTTGTIAATTTATCGCAAAC 270
A H K C I C Y F P C *

TCTTTGGTGAATAGTTTTTAAGTAATTACACAAAATAAGTCAGT 315

GTCACATCCATGAGTGATTTTAAGACATGTACCAGATATGTTAT 360

GTTGGTTCGGTTATACAAATAAAGTTTTTATTCACCAAAAAAAA 405

AAAAAAA 414

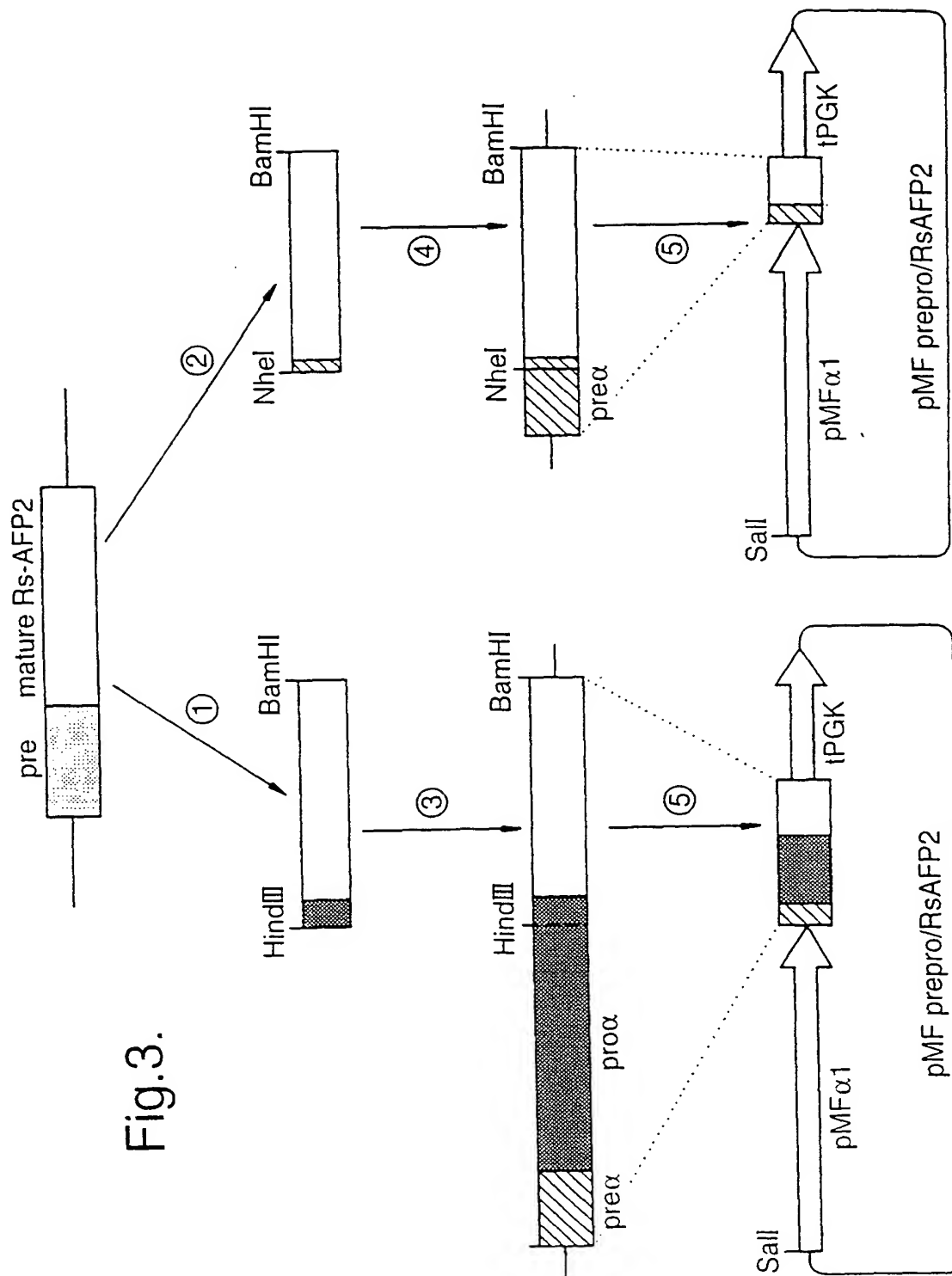


Fig.3.

Fig.4.

	1	10	20	30	40	50
Rs-AFP2						
yRs-AFP2	Q.....					
SI α 2	-RV.MKG.AGFK.L.MRDQN.AQV.L-Q.GWGG.N.DG.M--RQ.K.IRQ.					
<u>SERIES A</u>						
yRs-AFP2/Q5M	Q...M.....					
yRs-AFP2/T10G	Q.....G.....					
yRs-AFP2/W11S	Q.....S.....					
yRs-AFP2/G16M	Q.....M.....					
yRs-AFP2/A31W	Q.....W.....					
yRs-AFP2/Y38G	Q.....G.....					
yRs-AFP2/F40M	Q.....M.....					
yRs-AFP2/K44Q	Q.....Q.....					
yRs-AFP2/Y48I	Q.....I.....					
<u>SERIES B</u>						
yRs-AFP2/T10A	Q.....A.....					
yRs-AFP2/H33A	Q.....A.....					
yRs-AFP2/Y38A	Q.....A.....					
yRs-AFP2/F40A	Q.....A.....					
<u>SERIES C</u>						
yRs-AFP2/P7-	Q.....-.....					
yRs-AFP2/P41-	Q.....-.....					
<u>SERIES D</u>						
yRs-AFP2/P7R	Q.....R.....					
yRs-AFP2/G9R	Q.....R.....					
yRs-AFP2/S12R	Q.....R.....					
yRs-AFP2/I26R	Q.....R.....					
yRs-AFP2/L28R	Q.....R.....					
yRs-AFP2/N37R	Q.....R.....					
yRs-AFP2/V39R	Q.....R.....					
yRs-AFP2/A42R	Q.....R.....					
yRs-AFP2/I46R	Q.....R.....					
yRs-AFP2/F49R	Q.....R.....					

FIG. 5A

FIG. 5B

OWB41: AATAAGCTTTGGACAAGAGA

¹Q

CAG

CAG

Q

²K

AAG

AAG

K

³L

TTG

TTG

L

⁴C

TGC

TGC

C

⁵Q

CAA

ATG

M

⁶R

AGG

AGG

R

⁷P

CCA

CCA

P

AG

AG

OWB42: TTG

³L

TTG

L

⁴C

TGC

TGC

C

⁵Q

CAA

CAA

Q

⁶R

AGG

AGG

R

⁷P

CCA

-

⁸S

AGT

AGT

S

⁹G

GGG

GGG

G

¹⁰T

ACA

ACA

T

¹¹W

TGG

TGG

W

¹²S

TCA

TCA

S

GG

GG

OWB43: CCA

¹P

CCA

P

⁸S

AGT

AGT

S

⁹G

GGG

GGG

G

¹⁰T

ACA

GGT

G

¹¹W

TGG

TGG

W

¹²S

TCA

TCA

S

GG

GG

OWB44: AGT

⁸S

AGT

S

⁹G

GGG

GGG

G

¹⁰T

ACA

ACA

T

¹¹W

TGG

TCC

S

¹²S

TCA

TCA

S

¹³G

GGA

GGA

G

¹⁴V

GTC

GTC

V

OWB45: GGA

¹³G

GGA

G

¹⁴V

GTC

GTC

V

¹⁵C

TGT

TGT

C

¹⁶G

GGA

ATG

M

¹⁷N

AAC

AAC

N

¹⁸N

AAT

AAT

N

¹⁹N

AAC

AAC

N

GC

GC

FIG. 5A

FIG. 5

³⁵ S	³⁶ C	³⁷ Q	³⁸ Y	³⁹ V	⁴⁰ F	
TCT	TGC	AAC	TAT	GTC	TTC	CC
OWB77:TCT	TGC	AAC	GGT	GTC	TTC	CC
S	C	Q	G	V	F	
³⁶ C	³⁷ Q	³⁸ Y	³⁹ V	⁴⁰ F	⁴¹ P	⁴² A
TGC	AAC	TAT	GTC	TTC	CCA	GCT C
OWB47:TGC	AAC	TAT	GTC	ATG	CCA	GCT C
C	Q	Y	V	M	P	A
³⁷ Q	³⁸ Y	³⁹ V	⁴⁰ F	⁴¹ P	⁴² A	⁴³ H
AAC	TAT	GTC	TTC	CCA	GCT	CAC
OWB48:AAC	TAT	GTC	TTC	---	GCT	CAC
Q	Y	V	F	-	A	H
						⁴⁴ K
⁴⁰ F	⁴¹ P	⁴² A	⁴³ H	⁴⁴ K	⁴⁵ C	⁴⁶ I
TTC	CCA	GCT	CAC	AAG	TGT	ATC
OWB49:TTC	CCA	GCT	CAC	CAA	TGT	ATC
F	P	A	H	Q	C	I
⁴⁵ C	⁴⁶ I	⁴⁷ C	⁴⁸ Y	⁴⁹ F	⁵⁰ C	
TGT	ATC	TGC	TAC	TTT	CCT	TG
OWB50:TGT	ATC	TGC	ATC	TTT	CCT	TG
C	I	C	I	F	C	

FIG. 5B

Fig.6.

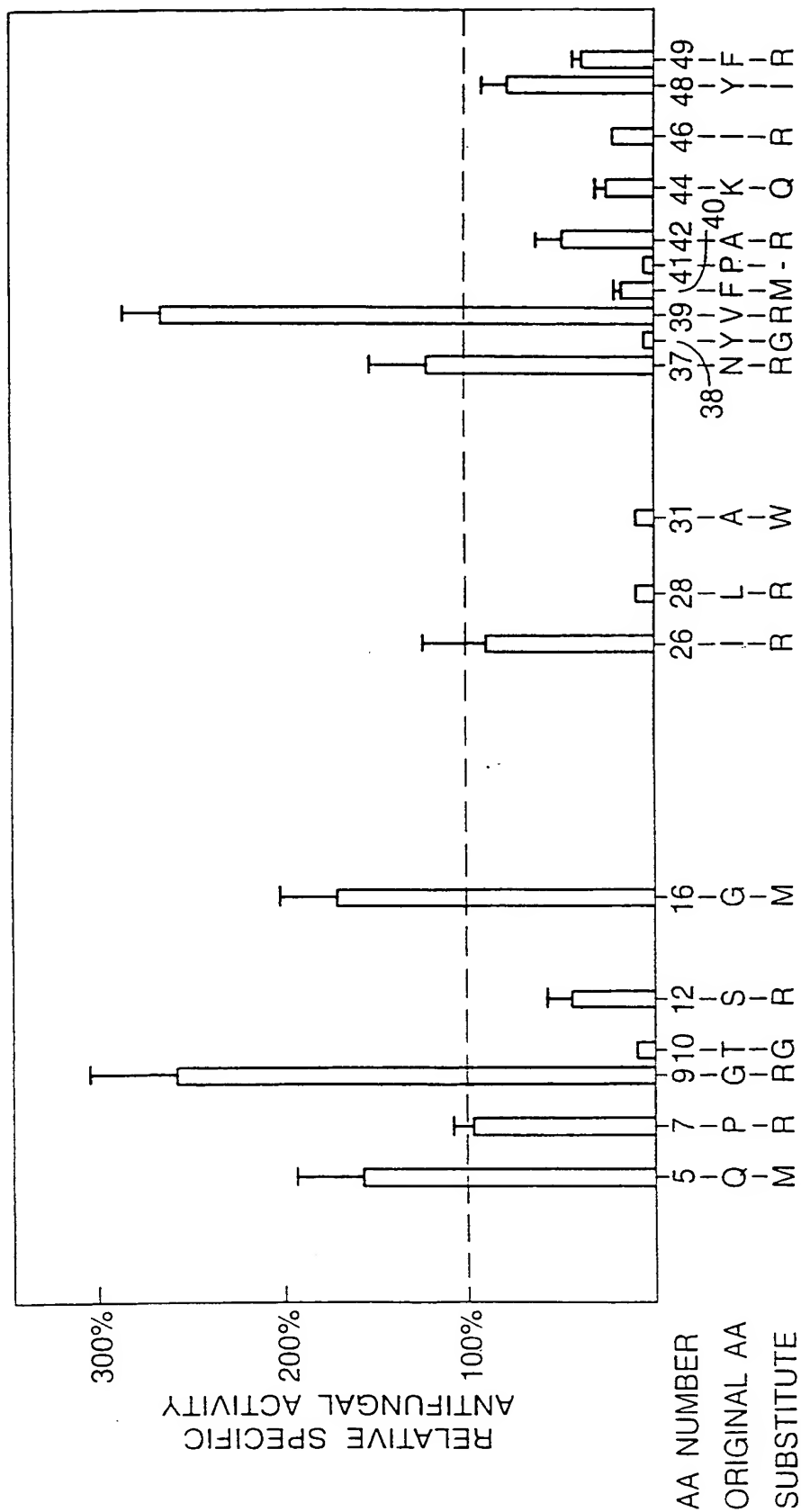


Fig.7.

